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**POWER OF ATTORNEY  
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INDICATION FORM**

Application Number	10/728,055
Filing Date	December 4, 2003
First Named Inventor	George Mulligan
Title	METHODS FOR THE IDENTIFICATION...
Art Unit	1642
Examiner Name	Reddig, Peter J.
Attorney Docket Number	MPI02-202P1RNM

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:



Practitioners associated with the Customer Number:

30405

OR



Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:



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Individual Name

Address

City

State

Zip

Country

Telephone

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I am the:



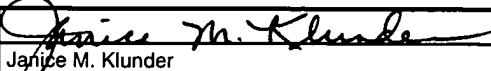
Applicant/Inventor.



Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

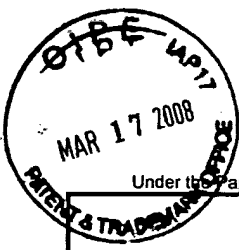
Signature		Date	March 11, 2008
Name	Janice M. Klunder	Telephone	617-551-3699
Title and Company	Senior Patent Counsel, Millennium Pharmaceuticals, Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Millennium Pharmaceuticals, Inc.

Application No./Patent No.: 10/728,055 Filed/Issue Date: December 4, 2003

Entitled: METHODS FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION AND TREATMENT OF PATIENTS WITH PROTEASOME INHIBITION THERAPY

Millennium Pharmaceuticals, Inc., a a Delaware corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015256, Frame 0047, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Janice M. Klunder  
Signature

March 11, 2008

Date

Janice M. Klunder

Printed or Typed Name

617-551-3699

Telephone Number

Senior Patent Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**COPY**

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MILLENNIUM PHARMACEUTICALS  
OCT 25 2004  
DOCKETING DEPARTMENT  
DOCKETED BY: *[initials]*

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 20, 2004

PTAS  
MILLENNIUM PHARMACEUTICALS, INC.  
KERRI POLLARD SCHRAY  
40 LANDSDOWNE STREET  
CAMBRIDGE, MASSACHUSETTS 02139



\*102731979A\*

MP102-202 PIR NM

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/26/2004

REEL/FRAME: 015256/0047

NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MULLIGAN, GEORGE

DOC DATE: 03/11/2004

ASSIGNOR:

BRYANT, BARBARA M.

DOC DATE: 03/16/2004

ASSIGNOR:

MORRISSEY, MICHAEL P.

DOC DATE: 04/14/2004

ASSIGNOR:

BOLT, ANDREW

DOC DATE: 03/10/2004

ASSIGNOR:

DAMOKOSH, ANDREW I.

DOC DATE: 03/09/2004

015256/0047 PAGE 2

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.  
401 LANDSDOWNE STREET  
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 10728055

FILING DATE: 12/04/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS FOR THE IDENTIFICATION, ASSESSMENT, AND TREATMENT OF  
PATIENTS WITH PROTEASOME INHIBITION THERAPY

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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04-28-2004

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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Patent and Trademark Office

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2004 APR 26 AM 8:46

FINANCE SECTION

To the Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

George Mulligan Execution Date: March 11, 2004  
Barbara M. Bryant Execution Date: March 16, 2004  
Michael P. Morrissey Execution Date: April 14, 2004  
Andrew Bolt Execution Date: March 10, 2004  
Andrew I. Damokosh Execution Date: March 9, 2004

Additional name(s) of conveying parties attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

2. Name and address of receiving party (ies):

Name: Millennium Pharmaceuticals, Inc.

Internal Address:

Street Address: 40 Landsdowne Street

City: Cambridge State: MA Zip: 02139

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is :

A. Patent Application No.(s)  
10/728,055

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kerri Pollard Schray

Internal Address: Millennium Pharmaceuticals, Inc.

Street Address: 40 Landsdowne Street

City: Cambridge State: MA ZIP: 02139

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41) \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

501668

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kerri Pollard Schray

Name of Person Signing

Signature

April 21, 2004

Date

Total number of pages including cover sheet, attachments, and document: 9

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450  
Alexandria, VA 22313-1450

04/27/2004 ECDOPER 00000010 501668 10728055

01 FC:8021 40.00 DA

Practitioner's Docket No. MPI02-202P1RNM

*PATENT*

For: U.S. and Foreign Rights  
For: U.S. Application  
By: Inventors

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

### ASSIGNORS:

Mulligan, George  
32 Taft Avenue  
Lexington, Massachusetts 02421  
Nationality: United States

Bryant, Barbara M.  
116 Henry Street  
Cambridge, Massachusetts 02139  
Nationality: United States

Morrissey, Michael P.  
140 Kenrick Street, Apt. 32  
Brighton, Massachusetts 02135  
Nationality: United States

Bolt, Andrew  
10 Wendell Street, Apt. 4  
Cambridge, Massachusetts 02138  
Nationality: United States

Damokosh, Andrew I.  
115 Waterside Lane  
West Hartford, Connecticut 06107  
Nationality: United States

hereby sell, assign and transfer to

### ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.  
40 Landsdowne Street  
Cambridge, MA 02139  
State of Incorporation: Delaware

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and all foreign countries in and to inventions described in the patent application entitled:

**METHODS FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION AND TREATMENT OF PATIENTS WITH PROTEASOME INHIBITION THERAPY**

and which is found in (37 C.F.R. section 3.21) U.S. Application Serial No. 10/728,055 filed on December 6, 2003, and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant for ourselves and our executors and administrators that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, their executors and administrators and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof and to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements.

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 11 day of March, 2004.

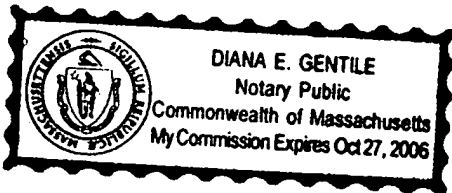
Date: 3/11/04

[Signature]  
Signature of Mulligan, George

**NOTARIZATION ACCOMPANYING ASSIGNMENT**

State/Commonwealth of Massachusetts  
County of Middlesex

Before me this 11<sup>th</sup> day of March 2004, personally appeared the above named **Mulligan, George**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



[Signature]  
Signature of Notary Public  
Diana E. Gentile  
Print Name  
My Commission expires: 10/27/2006



IN WITNESS WHEREOF, I have hereunto set hand and seal this 16<sup>th</sup> day of March, 2004.

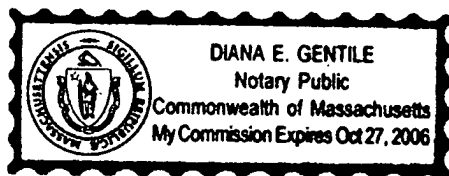
Date: 3/16/04

Barbara M. Bryant  
Signature of Bryant, Barbara, M.

NOTARIZATION ACCOMPANYING ASSIGNMENT

State/Commonwealth of Massachusetts  
County of Middlesex

Before me this 16<sup>th</sup> day of March, 2004, personally appeared the above named **Bryant, Barbara M.**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Diana E. Gentile  
Signature of Notary Public  
Diana E. Gentile  
Print Name  
My Commission expires: 10/27/2006

IN WITNESS WHEREOF, I have hereunto set hand and seal this 14<sup>th</sup> day of April, 2004.

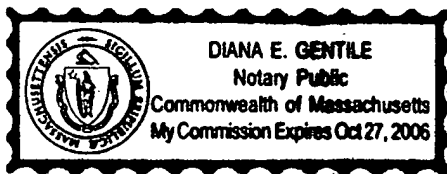
Date: \_\_\_\_\_

Michael P Morrissey  
Signature of Morrissey, Michael P.

**NOTARIZATION ACCOMPANYING ASSIGNMENT**

State/Commonwealth of Massachusetts  
County of Middlesex

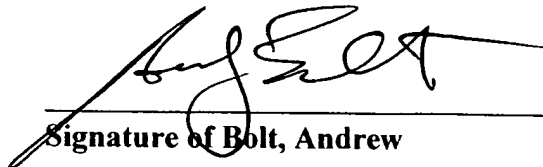
Before me this 14<sup>th</sup> day of April, 2004, personally appeared the above named **Morrissey, Michael P.**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Diana E. Gentile  
Signature of Notary Public  
Diana E. Gentile  
Print Name  
My Commission expires: 10/27/2006

IN WITNESS WHEREOF, I have hereunto set hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

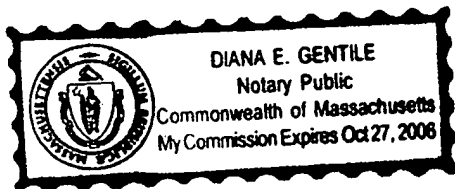
Date: 3/10/04


  
Signature of Bolt, Andrew

NOTARIZATION ACCOMPANYING ASSIGNMENT

State/Commonwealth of Massachusetts  
County of Middlesex


Before me this 10 day of MARCH 2004, personally appeared the above named **Bolt, Andrew**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



  
Signature of Notary Public  
Diana Gentile  
Print Name  
My Commission expires: 10/27/2006

IN WITNESS WHEREOF, I have hereunto set hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

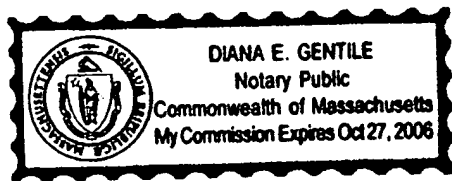
Date: 3/9/04


  
Signature of Damokosh, Andrew I.

**NOTARIZATION ACCOMPANYING ASSIGNMENT**

State/Commonwealth of Massachusetts  
County of Middlesex

Before me this 9<sup>th</sup> day of March 2004, personally appeared the above named **Damokosh, Andrew I.**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



  
Signature of Notary Public  
Diana Gentile  
Print Name  
My Commission expires: 10/27/2006